AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

Claim 1. Canceled

Claim 2. Canceled

Claim 3. (currently amended)

~~A batch blend to produce a glass composition useful~~ --A glass composition for forming glass fibers of high heat resistance, comprising:

SiO_2 in an amount of about 46.23 weight percent,

Al_2O_3 in an amount of about 25.91 weight percent,

Na_2O in an amount of about 2.40 weight percent,

K_2O in an amount of about 0.82 weight percent,

CaO in an amount of about 8.27 weight percent,

MgO in an amount of about 4.06 weight percent,

Fe_2O_3+FeO in an amount of about 10.22 weight percent,

TiO_2 in an amount of about 1.58 weight percent,

ZrO_2 in an amount of about 0.01 weight percent,

P_2O_5 in an amount of about 0.28 weight percent, and

MnO in an amount of about 0.23 weight percent.

Claim 4. (currently amended)

~~The batch blend of~~ A glass composition according to Claim 3, wherein the resulting composition is essentially free of ZrO_2.

Claim 5. Canceled.

Claim 6. (currently amended)

~~A batch blend to produce a glass composition useful~~ A glass composition for forming glass fibers of high heat resistance, comprising:

SiO_2 in an amount of about 64.95 weight percent,

Al_2O_3 in an amount of about 11.13 weight percent,

Na_2O in an amount of about 2.24 weight percent,

K_2O in an amount of about 2.24 weight percent,

CaO in an amount of about 3.76 weight percent,

MgO in an amount of about 3.77 weight percent,

Fe_2O_3+FeO in an amount of about 9.51 weight percent,

TiO_2 in an amount of about 1.47 weight percent

ZrO_2 in an amount of about 0.01 weight percent,

P_2O_5 in an amount of about 0.70 weight percent, and

MnO in an amount of about 0.22 weight percent.

Claim 7. (currently amended)

~~The batch blend of~~ A glass composition according to Claim 6, wherein the resulting composition is essentially free of ZrO_2.

Claim 8. Canceled

Claim 9. (currently amended)

~~A batch blend to produce a glass composition useful~~ A glass composition for forming glass fibers of high heat resistance, comprising:

SiO_2 in an amount of about 55.25 weight percent,

Al_2O_3 in an amount of about 18.25 weight percent,

Na_2O in an amount of about 2.30 weight percent,

K_2O in an amount of about 1.80 weight percent,

CaO in an amount of about 8.38 weight percent,

MgO in an amount of about 3.97 weight percent,

Fe_2O_3+FeO in an amount of about 8.50 weight percent,

TiO_2 in an amount of about 1.09 weight percent,

ZrO_2 in an amount of about 0.31 weight percent,

P_2O_5 in an amount of about 0.20 weight percent, and

MnO in an amount of about 0.18 weight percent.

Claim 10. (currently amended)

~~A batch blend to produce a glass composition useful~~ A glass composition for forming glass fibers of high heat resistance, comprising:

SiO_2 in an amount of about 67.55 weight percent,

Al_2O_3 in an amount of about 9.76 weight percent,

Na_2O in an amount of about 1.96 weight percent,

K_2O in an amount of about 0.67 weight percent,

CaO in an amount of about 6.74 weight percent,

MgO in an amount of about 3.30 weight percent,

Fe_2O_3+FeO in an amount of about 8.32 weight percent,

TiO_2 in an amount of about 1.28 weight percent,

ZrO_2 in an amount of about 0.01 weight percent,

P_2O_5 in an amount of about 0.22 weight percent, and

MnO in an amount of about 0.19 weight percent.

Claim 11. (currently amended)

~~The batch blend of~~ A glass composition according to Claim 10, wherein the resulting composition is essentially free of ZrO_2.

Claim 12. (currently amended)

~~A batch blend to produce a glass composition useful~~ A glass composition for forming glass fibers of high heat resistance, comprising:

SiO_2 in an amount of about 70.02 weight percent,

Al_2O_3 in an amount of about 10.14 weight percent,

Na_2O in an amount of about 2.03 weight percent,

K_2O in an amount of about 0.01 weight percent,

CaO in an amount of about 6.53 weight percent,

MgO in an amount of about 4.26 weight percent,

Fe_2O_3+FeO in an amount of about 5.26 weight percent,

TiO_2 in an amount of about 1.33 weight percent,

ZrO_2 in an amount of about 0 weight percent,

P_2O_5 in an amount of about 0 weight percent, and

MnO in an amount of about 0 weight percent.

Claim 13. (currently amended)

~~A batch blend to produce a glass composition useful~~ A glass composition for forming glass fibers of high heat resistance, comprising:

SiO_2 in an amount of about 46.47 weight percent,

Al_2O_3 in an amount of about 25.91 weight percent,

Na_2O in an amount of about 2.41 weight percent,

K_2O in an amount of about 0.95 weight percent,

CaO in an amount of about 8.31 weight percent,

MgO in an amount of about 4.08 weight percent,

Fe_2O_3+FeO in an amount of about 10.27 weight percent, and

TiO_2 in an amount of about 1.60 weight percent.

Claim 14. (currently amended)

~~A batch blend to produce a glass composition useful~~ A glass composition for forming glass fibers of high heat resistance, comprising:

SiO_2 in an amount of about 66.92 weight percent,

Al_2O_3 in an amount of about 11.42 weight percent,

Na_2O in an amount of about 2.59 weight percent,

K_2O in an amount of about 2.59 weight percent,

CaO in an amount of about 3.81 weight percent,

MgO in an amount of about 4.01 weight percent,

Fe_2O_3+FeO in an amount of about 8.66 weight percent, and

TiO_2 in an amount of about 0.72 weight percent.

Claim 15. (currently amended)

~~A batch blend to produce a glass composition useful~~ -- A glass composition for forming glass fibers of high heat resistance, comprising:

SiO_2 in an amount of about 55.50 weight percent,

Al_2O_3 in an amount of about 18.33 weight percent,

Na_2O in an amount of about 2.31 weight percent,

K_2O in an amount of about 1.81 weight percent,

CaO in an amount of about 8.42 weight percent,

MgO in an amount of about 3.99 weight percent,

Fe_2O_3+FeO in an amount of about 8.54 weight percent, and

TiO_2 in an amount of about 1.10 weight percent.

Claim 16. (currently amended)

~~A batch blend to produce a glass composition useful~~ A glass composition for forming glass fibers of high heat resistance, comprising:

SiO_2 in an amount of about 67.83 weight percent,

Al_2O_3 in an amount of about 9.80 weight percent,

Na_2O in an amount of about 1.97 weight percent,

K_2O in an amount of about 0.67 weight percent,

CaO in an amount of about 6.77 weight percent,

MgO in an amount of about 3.31 weight percent,

Fe_2O_3+FeO in an amount of about 8.36 weight percent, and

TiO_2 in an amount of about 1.29 weight percent.

Claim 17. (currently amended)

~~A batch blend to produce a glass composition useful~~ --A glass composition for forming glass fibers of high heat resistance, comprising:

SiO_2 in an amount of about 70.31 weight percent,

Al_2O_3 in an amount of about 10.18 weight percent,

Na_2O in an amount of about 2.03 weight percent,

K_2O in an amount of about 0.01 weight percent,

CaO in an amount of about 6.55 weight percent,

MgO in an amount of about 4.27 weight percent,

Fe_2O_3+FeO in an amount of about 5.28 weight percent, and

TiO_2 in an amount of about 1.37 weight percent.

18. (currently amended)

~~The blend~~ A glass composition according to Claim 13, wherein the ~~batch~~ composition is resistant to heat and fire for a substantial period of at least three hours to prevent burn-through by the conversion of at least a portion of the fibers into a fiber mat of ceram glass.

19. (currently amended)

~~The blend~~ A glass composition according to Claim 14, wherein the ~~batch~~ composition is resistant to heat and fire for a substantial period of at least three hours to prevent burn-through by the conversion of at least a portion of the fibers into a fiber mat of ceram glass.

20. (currently amended)

~~The blend~~ A glass composition according to Claim 17, wherein the ~~batch~~ composition is resistant to heat and fire for a substantial period of at least three hours to prevent burn-through by the conversion of at least a portion of the fibers into a fiber mat of ceram glass.

Claim 21. Canceled

Claim 22. (currently amended)

~~A batch blend to produce a glass composition useful~~ A glass composition for forming glass fibers of high heat resistance, comprising:

SiO_2 in an amount of about 67.55 weight percent,

Al_2O_3 in an amount of about 9.76 weight percent,

Na_2O in an amount of about 0.67 weight percent,

B_2O_3 in an amount of about 1.96 weight percent,

CaO in an amount of about 6.74 weight percent,

MgO in an amount of about 3.30 weight percent,

Fe_2O_3+FeO in an amount of about 8.32 weight percent,

TiO_2 in an amount of about 1.28 weight percent,

ZrO_2 in an amount of about 0.01 weight percent,

P_2O_5 in an amount of about 0.22 weight percent, and

MnO in an amount of about 0.19 weight percent.

Claim 23. (currently amended)

~~A batch blend to produce a glass composition useful~~ A glass composition for forming glass fibers of high heat resistance, comprising:

SiO_2 in an amount of about 67.55 weight percent,

Al_2O_3 in an amount of about 9.76 weight percent,

Na_2O in an amount of about 0.67 weight percent,

Li_2O in an amount of about 1.96 weight percent,

CaO in an amount of about 6.74 weight percent,

MgO in an amount of about 3.30 weight percent,

Fe_2O_3+FeO in an amount of about 8.32 weight percent,

TiO_2 in an amount of about 1.28 weight percent,

ZrO_2 in an amount of about 0.01 weight percent,

P_2O_5 in an amount of about 0.22 weight percent, and

MnO in an amount of about 0.19 weight percent.

Claim 24. (currently amended)

~~A batch blend to produce a glass composition useful~~ A glass composition for forming glass fibers of high heat resistance, comprising:

SiO_2 in an amount of about 67.55 weight percent,

Al_2O_3 in an amount of about 9.76 weight percent,

Na_2O in an amount of about 0.67 weight percent,

K_2O in an amount of about 1.96 weight percent,

CaO in an amount of about 6.74 weight percent,

MgO in an amount of about 3.30 weight percent,

Fe_2O_3+FeO in an amount of about 8.32 weight percent,

TiO_2 in an amount of about 1.28 weight percent,

ZrO_2 in an amount of about 0.01 weight percent,

P_2O_5 in an amount of about 0.22 weight percent, and

MnO in an amount of about 0.19 weight percent.

Claim 25. (currently amended)

~~A batch blend to produce a glass composition useful~~ A glass composition for forming glass fibers of high heat resistance, comprising:

SiO_2 in an amount of about 49.0 weight percent,

Al_2O_3 in an amount of about 23.0 weight percent,

B_2O_3 in an amount of about 2.35 weight percent,

Na_2O in an amount of about 1.04 weight percent,

CaO in an amount of about 8.31 weight percent,

MgO in an amount of about 4.08 weight percent,

Fe_2O_3+FeO in an amount of about 10.27 weight percent, and

TiO_2 in an amount of about 1.59 weight percent.

Claim 26. (currently amended)

~~A batch blend to produce a glass composition useful~~ -- A glass composition for forming glass fibers of high heat resistance, comprising:

SiO_2 in an amount of about 67.36 weight percent,

Al_2O_3 in an amount of about 9.76 weight percent,

Li_2O in an amount of about 2.86 weight percent,

Na_2O in an amount of about 1.00 weight percent,

CaO in an amount of about 5.28 weight percent,

MgO in an amount of about 3.80 weight percent,

Fe_2O_3+FeO in an amount of about 8.46 weight percent, and

TiO_2 in an amount of about 1.48 weight percent.

Claim 27. (currently amended)

~~A batch blend to produce a glass composition useful~~ A glass composition for forming glass fibers of high heat resistance, comprising:

SiO_2 in an amount of about 65.16 weight percent,

Al_2O_3 in an amount of about 11.18 weight percent,

B_2O_3 in an amount of about 3.01 weight percent,

CaO in an amount of about 7.14 weight percent,

MgO in an amount of about 3.99 weight percent,

Fe_2O_3+FeO in an amount of about 8.95 weight percent, and

TiO_2 in an amount of about 0.57 weight percent.

Claim 28. (currently amended)

~~A batch blend to produce a glass composition useful~~ A glass composition for forming glass fibers of high heat resistance, comprising:

SiO_2 in an amount of about 56.01 weight percent,

Al_2O_3 in an amount of about 13.92 weight percent,

B_2O_3 in an amount of about 4.01 weight percent,

Na_2O in an amount of about 2.92 weight percent,

K_2O in an amount of about 0.96 weight percent,

CaO in an amount of about 8.40 weight percent,

Fe_2O_3+FeO in an amount of about 11.94 weight percent, and

TiO_2 in an amount of about 1.84 weight percent.

Claim 29. (currently amended)

~~A batch blend to produce a glass composition useful~~ A glass composition for forming glass fibers of high heat resistance, comprising:

SiO_2 in an amount of about 66.51 weight percent,

Al_2O_3 in an amount of about 9.34 weight percent,

Li_2O in an amount of about 3.41 weight percent,

Na_2O in an amount of about 2.81 weight percent,

CaO in an amount of about 6.41 weight percent,

MgO in an amount of about 2.99 weight percent, and

Fe_2O_3+FeO in an amount of about 8.53 weight percent.

Claim 30. (currently amended)

~~A batch blend to produce a glass composition useful~~ -- A glass composition for forming glass fibers of high heat resistance, comprising:

SiO_2 in an amount of about 68.00 weight percent,

Al_2O_3 in an amount of about 9.06 weight percent,

B_2O_3 in an amount of about 2.01 weight percent,

Na_2O in an amount of about 2.33 weight percent,

K_2O in an amount of about 0.42 weight percent,

CaO in an amount of about 6.23 weight percent,

MgO in an amount of about 3.06 weight percent,

Fe_2O_3+FeO in an amount of about 7.70 weight percent, and

TiO_2 in an amount of about 1.19 weight percent.

Claim 31. (currently amended)

~~A batch blend to produce a glass composition useful~~ --A glass composition for forming glass fibers of high heat resistance, comprising:

SiO_2 in an amount of about 65.24 weight percent,

Al_2O_3 in an amount of about 2.50 weight percent,

B_2O_3 in an amount of about 6.00 weight percent,

Na_2O in an amount of about 13.00 weight percent,

CaO in an amount of about 6.70 weight percent,

MgO in an amount of about 1.85 weight percent,

Fe_2O_3+FeO in an amount of about 4.01 weight percent, and

TiO_2 in an amount of about 0.70 weight percent.

Claim 32. (currently amended)

~~A batch blend to produce a glass composition useful~~ A glass composition for forming glass fibers of high heat resistance, comprising:

SiO_2 in an amount of about 67.50 weight percent,

Al_2O_3 in an amount of about 9.34 weight percent,

Li_2O in an amount of about 2.31 weight percent,

K_2O in an amount of about 0.81 weight percent,

CaO in an amount of about 8.41 weight percent,

MgO in an amount of about 2.00 weight percent,

Fe_2O_3+FeO in an amount of about 8.53 weight percent, and

TiO_2 in an amount of about 1.10 weight percent.

Claim 33. (currently amended)

~~A batch blend to produce a glass composition useful~~ A glass composition for forming glass fibers of high heat resistance, comprising:

SiO_2 in an amount of about 46.47 weight percent,

Al_2O_3 in an amount of about 25.91 weight percent,

B_2O_3 in an amount of about 2.41 weight percent,

Na_2O in an amount of about 2.55 weight percent,

CaO in an amount of about 8.31 weight percent,

MgO in an amount of about 4.08 weight percent, and

Fe_2O_3+FeO in an amount of about 10.27 weight percent.

Claim 34. (currently amended)

~~A batch blend to produce a glass composition useful~~ A glass composition for forming glass fibers of high heat resistance, comprising:

SiO_2 in an amount of about 66.92 weight percent,

Al_2O_3 in an amount of about 11.42 weight percent,

Na_2O in an amount of about 2.59 weight percent,

B_2O_3 in an amount of about 4.24 weight percent,

CaO in an amount of about 4.02 weight percent,

MgO in an amount of about 0.81 weight percent, and

Fe_2O_3+FeO in an amount of about 10.00 weight percent.

Claim 35. (currently amended)

~~A batch blend to produce a glass composition useful~~--A glass composition for forming glass fibers of high heat resistance, comprising:

SiO_2 in an amount of about 70.31 weight percent,

Al_2O_3 in an amount of about 8.30 weight percent,

Na_2O in an amount of about 2.03 weight percent,

B_2O_3 in an amount of about 1.01 weight percent,

CaO In an amount of about 6.55 weight percent,

MgO in an amount of about 3.27 weight percent, and

Fe_2O_3+FeO in an amount of about 8.53 weight percent.

Claim 36. Canceled

Claim 37. Canceled

Claim 38. Canceled

Claim 39. Canceled